All flooring solutions of the ***PIET*** range are multi-purpose and suitable for training and competition of all common international ball games and badminton. The multi-purpose aspect shows in the ability to host cultural events, exams, exhibitions, and so on. With the help of our experts you can make an informed choice to get the right ***PIET*** sports floor solution into your facility.

PIET Resin Flooring Systems for Sports and Leisure Centres

BOOST THE PERFORMANCE OF YOUR FACILITY

PIET is a composite surface specially designed and fabricated by Deva Resins, creating a synthetic flexible sports floor. When applied over a suitable base, it provides a resilient, uniform, seamless and durable surface for multi-use gymnasium and indoor sports venues. The ***PIET*** *Systems* meet the rigorous standards set out by Sport England. Court lines and area markings are applied in internationally recognised colours sealed into our system to ensure they last with the life of the floor.

Indoor sports floors of the ***PIET*** range boost the performance of any athlete and sports facility to the next level. The *PIET* high performing sports floor solutions exceed the performance of all the traditional sports flooring products.

PIET is a robust flooring system which will reduce footfall sounds and the transmission of horizontal noise while providing unique advantages to sports hall owners and occupants, including an almost unlimited selection of colours. It's about how people see and respond to the cool look and the warm touch. It is odourless, solvent free and its smooth polyurethane surface makes it anti-allergic as no dust or bacteria can stick to the surface. It's also very easy to clean and maintain, and durable enough to withstand constant wear. The underlay gives the floor some added elasticity, added cushioning and noise reduction. They are extremely hygienic, and very easy to clean given the smooth finish. At Deva, we use a blend of recycled aggregate as well as our unique installation/colour options to leave our clients with a luxurious, high quality, bespoke finish floor. Our ***PIET*** system has excellent resistance to abrasion, impact and is maintenance free with the ultimate life expectancy of 10 plus years prior to a simple sealer coat as a maintenance item.

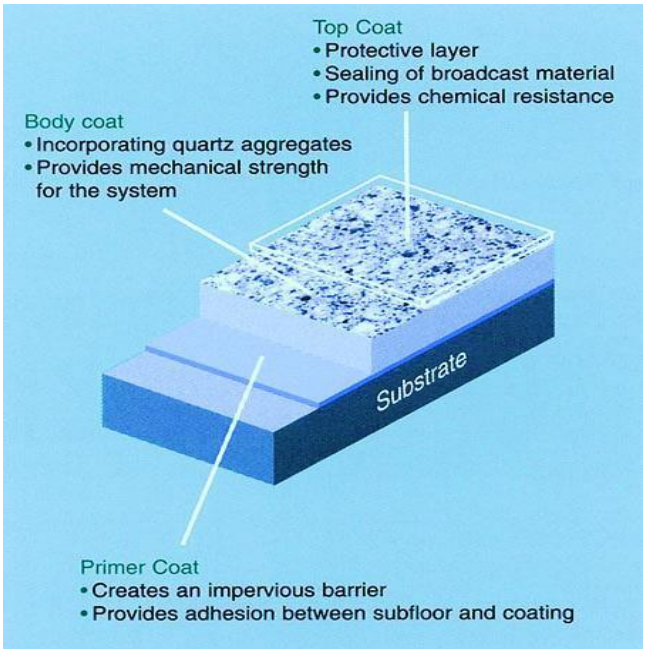
Comfort Flexible Floor FeRFA Type 7 Flooring

Up to 50**%** of a ***PIET*** by Deva floor is made from recycled aggregates coloured to suit the client's needs. Abrasion resistant improved by 2.7 times more than any traditional aggregates.

Benefits:

- Cushioned effect – spring & give in the floor
- Wide range of colours available
- Eliminates glare and light reflection
- Outstanding thermal insulation
- High scratch resistance
- Outstanding load bearing capacity and wear resistance
- Excellent wear and impact resistance
- Seamless, hygienic finish, easy to clean and maintain
- Low cost of ownership and maximum usability
- Sustainable high content of recycled raw materials
- Excellent resistance to UV light
- Excellent contact noise reduction up to 21 dB
- Solvent Free low odour
- Conforms to BS EN 14904

The ***PIET*** is the unmatched, ultimate system when it comes to overall performance. Due to its mix-elastic characteristics the ***PIET*** system combines a superb level of comfort, excellent load bearing capacities and high level of ball bounce. The system is a seamless, resin sandwich type construction which ***PIET*** sports floor solutions is installed onto prefabricated rubber matting, ranging from 3 to 12 mm, is bonded to the subfloor. After that the seamless structural self-levelling polyurethane top layer, ranging from 2 to 4 mm, is applied and then finished with a matt water based sealcoat after the chosen court markings have been installed.



Model Specification:

Product:	***PIET* M6, M9 & M12** (general specification)
Finish:	**Satin**
Thickness:	6-12 **mm**
Colour:	**Client's Choice**
Supplier:	**Deva Resins Ltd**
Telephone:	**+44 (0) 151 347 9598**

Preparatory work and application in accordance with suppliers Instructions.

Substrate Requirements:

Concrete or screed substrate should be a minimum of 25N/mm2, free from laitance, dust and other contamination. The substrate should be dry to 95% RH as per BS8204 and free from rising damp and ground water pressure. A special primer can be used for substrates up to 100% RH (surface dry).

Products Included in this System:

Primer:	**DM10**
Base:	**DM15**
Sealer:	**DM18 (2 coats)**

Environmental Considerations:

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless surface reduce the need for repairs, maintenance and cleaning.

Environmental and health considerations are controlled during manufacture and application of the products by fully trained experienced Deva Resins Staff.

Technical Information:

The figures that follow are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity.

Tailored properties can be achieved with the selection of specific resins that are available on request.

Slip Resistance: Dry >40 low slip potential

Method described in BS 7976-2 (typical values for 4-S rubber slider) The slipperiness of flooring materials can change significantly, due to the installation process, after short periods of use, due to inappropriate maintenance, longer-term wear and/ or surface contaminants (wet or dry).

Textured systems are recommended to meet slip resistance value requirements for wet conditions and/ or surface contaminants (wet or dry) - please contact our Technical Advisors for further details and specifications.

Fire Resistance:	**E_{fl}^{1-4}**	**BSEN14904**
Impact Resistance:	**11,12,13 Nm**	**BSEN14904**
Abrasion Resistance:	**9mg**	**BSEN14904**
Rolling Load w/o Damage:	**1500N**	**BSEN14904**
Ball Rebound:	**99%**	**BSEN14904**
Shock Absorption:	**21%,28%,35%**	**BSEN14904**

Temperature Resistance: Tolerant of sustained temperatures up to 50°C.

Water Permeability: Nil – Karsten test. (Impermeable)

Chemical Resistance: Good resistance to tea, coffee, cola, fruit juice, soaps and bleach. (for specific chemicals please consult chemical resistance chart).

Flexural Strength: 20 N/mm2 (BS 6319)

Tensile Strength: 15 N/mm2 (BS 6319)

Bond Strength: Greater than cohesive strength of category 6.

Speed of Cure (per coat): After final seal coat
Full traffic & chemical cure 3-7 days
Cure at temperatures in the range 20°C, this can be accelerated please consult Deva Technical Department.

Aftercare - Cleaning and Maintenance:
Clean regularly using a single or double headed rotary scrubber drier in conjunction with a mildly alkaline detergent.

Important Note:

To ensure you are specifying a fit for purpose flooring system for your project please consult our Technical Advisors on the number above or visit our website to register your interest in specifying one of the most durable floors on the market.